AMENDMENT

Please replace paragraph [0033] with the replacement below:

[0033]   In another embodiment, the two-dimensional velocity vector is calculated by modulating the transmitted beam of acoustic energy. ~~The amplitude of the beam is varied as a function of depth along the beam.~~ The received signals are analyzed to determine a left or right shift in phase of the amplitude. The amount of shift indicates a lateral component or component parallel to the face of the transducer. Using the Doppler velocity or other velocity representing the movement to and away from the transducer, the two-dimensional direction is determined. The magnitude of the change is provided either by the phase shift or by angle correcting the Doppler velocity.

REMARKS

Applicants respectfully submit that all of the pending claims are in condition for allowance and seeks early allowance thereof. If for any reason, the Examiner is unable to allow the application in the next Office Action and believes that an interview would be helpful to resolve any remaining issues, he is respectfully requested to contact the undersigned attorneys at (312) 321-4200.

Respectfully submitted,

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